

Applicant : LEE, Jee-Woo

Group Art Unit Unknown

Int'l App. No. : PCT/KR2003/002175

Int'l Filing Date : October 17, 2003

For : NOVEL N-HYDROXY THIOUREA,  
UREA AND AMIDE COMPOUNDS  
AND THE PHARMACEUTICAL  
COMPOSITIONS COMPRISING THE  
SAME

Examiner : Unknown

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

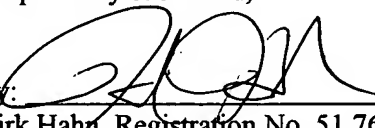
Enclosed is form PTO/SB/08 equivalent listing references that are also enclosed. As indicated in the accompanying Form PCT/ISA/210, the document Nos. WO 02/16318 A1, WO 02/16319 A1, Bioisosterism: Interchange of 4-OH to 4-NH2 in Vanillin or Homovanillin Ring of Capsaicinoids and Pain Reducing Effect of 4-Amino and 4-(1-piperazinyl) Phenylacetamide Derivatives were cited in the International Search Report in the international phase of the present U.S. national phase application. Although the listed references are already of record during the International Phase of the application, they are submitted in the present Information Disclosure Statement for the convenience of the Examiner to ensure that the references are listed on the cover of any patent issued on the present application.

The rest of the documents except the document No. US 2003/0212140 A1 are additional references that are cited in the present specification. The document No. US 2003/0212140 A1 also is an additional reference, which was not disclosed during the International Phase of the application, but it is relevant to the present invention as it discloses novel thiourea compositions and the pharmaceutical compositions thereof.

This Information Disclosure Statement is being filed within three months of the date of entry of the national stage of this application, and no fee is required in accordance with 37 C.F.R. § 1.97(b)(2).

Respectfully submitted,

Dated: April 16, 2004

By:   
Kirk Hahn, Registration No. 51,763  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Int'l Application No.	PCT/KR2003/002175	
	Int'l Filing Date	October 17, 2003	
	First Named Inventor	LEE, Jee-Woo	
	Art Unit	Unknown	
(Multiple sheets used when necessary)		Examiner	Unknown
SHEET 1 OF 1		Attorney Docket No.	DI-002

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1.	2003/0212140 A1	11/13/03	Suh et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	2.	WO 02/16318 A1	02/28/02	Pacific Corporation		
	3.	WO 02/16319 A1	02/28/02	Pacific Corporation		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	4.	Szallasi and Blumberg, "Vanilloid (Capsaicin) Receptors and Mechanisms," Pharmacological Reviews, Vol. 51, No. 2, pp. 159-211, 1999	
	5.	Wrigglesworth and Walpole, "Capsaicin-like agonists," Drugs of the Future, 23(5), pp. 531-538, 1998	
	6.	Wood, et al., "Capsaicin-Induced Ion Fluxes in Dorsal Root Ganglion Cells in Culture," The Journal of Neuroscience, 8(9), pp. 3208-3220, 1988	
	7.	Caterina, et al., "Impaired Nociception and Pain Sensation in Mice Lacking the Capsaicin Receptor," Science, Vol. 288, pp. 306-313, 2000	
	8.	Davis, et al., "Vanilloid receptor-1 is essential for inflammatory thermal hyperalgesia," Nature, Vol. 405 pp. 183-187, 2000	
	9.	Tominaga, et al., "The Cloned Capsaicin Receptor Integrates Multiple Pain-Producing Stimuli," Neuron, Vol. 21, pp. 531-543, 1998	
	10.	Hwang, et al., "Direct activation of capsaicin receptors by products of lipoxygenases: Endogenous capsaicin-like substances," Pnas, Vol. 97, No. 11, pp. 6155-6160, 2000	
	11.	Zygmunt, et al., "Anandamide - the other side of the coin," Trends in Pharmacol. Sci., Vol. 21, pp. 43-44, 2000	
	12.	Ren, et al., "Involvement of Capsaicin-Sensitive Sensory Neurons in Stress-Induced Gastroduodenal Mucosal Injury in Rats," Digestive Diseases and Sciences, Vol. 45, No. 4, pp. 830-836, 2000	
	13.	Sung Ju Cho, et al., "Bioisosterism: Interchange of 4-OH to 4-NH <sub>2</sub> in Vanillin or Homovanillin Ring of Capsaicinoids," Arch. Pharm. Res., Vol. 22, No. 2, pp. 184-188, 1999	
	14.	No-Sang Park, et al., "Pain Reducing Effects of 4-Amino and 4-(1-Piperazinyl) Phenylacetamide Derivatives," Korean J. Med. Chem., Vol. 3, No. 2, pp. 116-123, 1993	

Examiner Signature	Date Considered
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.